

# HOLDER APPARATUS FOR OPTICAL INTEGRATION ROD

## Abstract

A holding apparatus for an optical integration rod is installed outside of an optical integration rod. It comprises a holder which is a heat sink substrate with fins disposed at the outside surface thereof. A thermal conductivity material is filled in between the holding apparatus and the optical integration rod to allow the heat yielded in the rod to be guided out through the thermal conductivity material and then to be transmitted to the holder to carry away by way of a natural or forced convection manner so as to attain to a heat dissipation effect. Because the holder has a broader heat exchange area and the heat conduction function of the thermal conductivity material is better than air, the heat contact resistance between the holder and the rod can be reduced so as to enhance the heat dissipation efficiency.